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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/800,111
		Filing Date	March 12, 2004
		First Named Inventor	Mark R. AYRES
		Art Unit	2878
		Examiner Name	T. Lu
Total Number of Pages in This Submission	13	Attorney Docket Number	495812005700

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply (12 pages)	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	MORRISON & FOERSTER LLP (Customer No.: 25226)		
Signature			
Printed name	Christopher B. Eide		
Date	June 22, 2006	Reg. No.	48,375

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Signature: [Signature]  
(Megha Aggarwal)

Docket No.: 495812005700  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Mark R. AYRES

Application No.: 10/800,111

Confirmation No.: 8922

Filed: March 12, 2004

Art Unit: 2878

For: METHODS FOR MEASURING OPTICAL  
CHARACTERISTICS BY DIFFERENTIAL  
DIFFRACTIVE SCANNING

Examiner: T. Lu

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

This is in response to the non-final Office Action dated March 24, 2006 (Paper No. 03082006), for which a response is due on June 24, 2006. Accordingly, this response is timely filed. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.